**In the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of the Claims**

1-33. Canceled

34. (Currently Amended)　A method of authenticating a hardware token for operation with a host, comprising:

retrieving a value X from a memory separate from ~~the~~ a hardware token, the memory accessible to an authenticating entity, the value X generated from a non-varying computer fingerprint F of [[the]] a host and an identifier P securing access to the token, wherein the ~~host~~ fingerprint F is computed at least in part from non-varying host information C based on a unique characteristic of the host;

regenerating the same identifier ~~value~~ P at least in part from the value X and the fingerprint F; and

transmitting the regenerated identifier P to the token to authenticate the token for operation with the host.

35. Canceled

36. (Currently Amended)　The method of claim 34, wherein the ~~host~~ fingerprint F is computed at least in part from the host information C and a non-varying server specific value V.

37. (Currently Amended)　The method of claim 34, wherein the ~~host~~ fingerprint F is computed at least in part from the host information C, a non-varying server specific value V and a non-varying string Z.

38. (Original)　The method of claim 34, wherein the value X is computed in the token.

39. (Original)    The method of claim 34, wherein the value X is computed according to $X = f(P, F)$, wherein $f(P, F)$ is a reversible function such that $f(f(P, F), F) = P$.

40. (Original)    The method of claim 39, wherein $f(P, F)$ comprises P XOR F.

41. (Original)    The method of claim 34, wherein the value X is further computed at least in part from a user identifier U.

42. (Original)    The method of claim 41, wherein the value X is computed according to $X = f(P, U, F)$, wherein $f(P, U, F)$ is a reversible function such that $f(f(P, U, F), U, F) = P$.

43. (Original)    The method of claim 42, wherein $f(P, U, F)$ is P XOR U XOR F.

44. (Currently Amended)    The method of claim 34, wherein:

the ~~authorizing~~ authenticating entity is [[a]] the host computer, communicatively coupleable to the token; and

the value X is stored in the host computer.

45-48.  Canceled

49. (Currently Amended)    An apparatus for authenticating a hardware token for operation with a host, comprising:

means for retrieving a value X from a memory separate from ~~the~~ a hardware token, the memory accessible to an authenticating entity, the value X generated from a non-varying computer fingerprint F of [[the]] a host and an identifier P securing access to the token, wherein the ~~host~~ fingerprint F is computed at least in part from non-varying host information C based on a unique characteristic of the host;

means for regenerating the same identifier ~~value~~ P at least in part from the value X and the fingerprint F; and

means for transmitting the regenerated identifier P to the token to authenticate the token for operation with the host.

50. Canceled

51. (Currently Amended)    The apparatus of claim 49, wherein the ~~host~~ fingerprint F is computed at least in part from the host information C and a non-varying server specific value V.

52. (Currently Amended)    The apparatus of claim 49, wherein the ~~host~~ fingerprint F is computed at least in part from the host information C, a non-varying server specific value V and a non-varying string Z.

53. (Original)    The apparatus of claim 49, wherein the value X is computed in the token.

54. (Original)    The apparatus of claim 49, wherein the value X is computed according to $X = f(P, F)$, wherein $f(P, F)$ is a reversible function such that $f(f(P, F), F) = P$.

55. (Original)    The apparatus of claim 54, wherein $f(P, F)$ comprises P XOR F.

56. (Original)    The apparatus of claim 49, wherein the value X is further computed at least in part from a user identifier U.

57. (Original)    The apparatus of claim 56, wherein the value X is computed according to $X = f(P, U, F)$, wherein $f(P, U, F)$ is a reversible function such that $f(f(P, U, F), U, F) = P$.

58. (Original)    The apparatus of claim 57, wherein $f(P, U, F)$ is P XOR U XOR F.

59. (Currently Amended)    The apparatus of claim 49, wherein:
the ~~authorizing~~ authenticating entity is [[a]] the host computer, communicatively coupleable to the token; and
the value X is stored in the host computer.

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60-63. Canceled

64. (Currently Amended) An apparatus for authenticating a hardware token for operation with a host, the apparatus comprising a processor and a ~~memory~~ computer readable storage medium storing instructions for performing steps comprising ~~the steps of~~:

retrieving a value X from a memory separate from ~~the~~ a hardware token, the memory accessible to an authenticating entity, the value X generated from a non-varying computer fingerprint F of [[the]] a host and an identifier P securing access to the token, wherein the ~~host~~ fingerprint F is computed at least in part from non-varying host information C based on a unique characteristic of the host;

regenerating the same identifier ~~value~~ P at least in part from the value X and the fingerprint F; and

transmitting the regenerated identifier P to the token to authenticate the token for operation with the host.

65. Canceled

66. (Currently Amended) The apparatus of claim 64, wherein the ~~host~~ fingerprint F is computed at least in part from the host information C and a non-varying server specific value V.

67. (Currently Amended) The apparatus of claim 64, wherein the ~~host~~ fingerprint F is computed at least in part from the host information C, a non-varying server specific value V and a non-varying string Z.

68. (Original) The apparatus of claim 64, wherein the value X is computed in the token.

69. (Original) The apparatus of claim 64, wherein the value X is computed according to $X = f(P, F)$, wherein $f(P, F)$ is a reversible function such that $f(f(P, F), F) = P$.

70. (Original) The apparatus of claim 69, wherein $f(P, F)$ comprises P XOR F.

71. (Original)    The apparatus of claim 64, wherein the value X is further computed at least in part from a user identifier U.

72. (Original)    The apparatus of claim 71, wherein the value X is computed according to $X = f(P, U, F)$, wherein $f(P, U, F)$ is a reversible function such that $f(f(P, U, F), U, F) = P$.

73. (Original)    The apparatus of claim 72, wherein $f(P, U, F)$ is P XOR U XOR F.

74. (Currently Amended)    The apparatus of claim 64, wherein:

the ~~authorizing~~ <u>authenticating</u> entity is [[a]] <u>the</u> host computer<u>,</u> communicatively coupleable to the token; and

the value X is stored in the host computer.

75-78. Canceled